514. If it is found that XYZ Modems will dial only the HEXADECIMAL digit D, then requests for line numbers that include only one or more Ds shall be made. This is a minor requirement and can be worked around easily and at no cost. With this requirement, we see that 231-D000 to 231-D999 provides for one thousand lines that will work just fine. Remember, only one digit need be HEXADECIMAL for the entire number to be HEXADECIMAL!

515. There is always the $5.00 surcharge option to make it work using Public Decimal line numbers. As you can see, we are very timely with this Proposal. The rewards will come in a few years, when we really demand it, and then it will be there for us to use. Smart planing don't you think!

516. The Phone Company gets to keep the $52.00 pre paid yearly for the Industry class of service revenue, even if the service is shut off. The Phone Company may make whatever investments it wants and earn whatever income derived from those investments as its own profit. Thanks a lot!

517. WHERE WILL IT WORK AND WHY THE DELAYS - Standard lines, copper or fiber-optic networks, all will work without a problem. After all, Bell Labs designed it this way! Then this is a very good question: Why isn't the lab or someone from the phone company spearheading this very Proposal? Good question, very good question! The answer is also very simple: Follow the money.

518. Earlier I told you that the Phone Company views the adding of area codes as a small cash cow. Just think of all those wrong numbers, you will pay for, then there is the added number of yellow pages and additional listings in several area codes, and you will pay for these also.

519. WHAT LITMUS TEST SHOULD WE APPLY TO THIS PROPOSAL - If it's

not broken, don't fix it. That is a wise concept, but it is broken a little bit now, and if we are to believe the professional telephone industry members, it will be broken a lot more in just a very few years.

519. Notwithstanding, the proliferation of area codes, the causal issue that brings us to this discussion, on the surface, not much is evident about these problems, but that same calm precedes a bad storm.

520. If the predictions are on the money, then in 20 years we will have a very big problem. If a longer time, then it is still coming, what is so comforting about 3 or 5 extra years when no action was taken in time that would have prevented the problem completely. Then there is the possibility that the system will fail in say 10 or 12 years, somewhat ahead of the predicted exhaust time frame. Any of these scenarios allows the same problem to manifest in the future, whenever that occurs.

521. Here we have the opportunity to solve this problem in time and in a very reasonable way: use HEXADECIMAL Phone Numbers.

522. This will solve the problem for 100 years and maybe forever, because there are some real advances on the horizon and they will come into fruition when there is enough money involved. Oh, I forgot to mention you get to pay extra for all those advances, but HEXADECIMAL Phone numbers are free!

523. INDUSTRY ACCESS DATA IMPERATIVE TO COMPLETE ACCURATE PICTURE - All industries need to be accurately represented in terms that show just how many lines are being used and by whom. Lacking this information, we simply stumble in the dark, and no one lights a candle.

524. We are forced to make assumptions that are largely just guesses. If we say that AOL has 100,000 lines in San Diego

County, and that all others combined have another 100,000 lines, all just a guess, but we see that 200,000 lines are being used for this type of dial up communication to the Internet. If all move to Private HEXADECIMAL Phone number lines, that frees up 20 Public Decimal exchanges for assignment to public uses.

524. A point of fact: Unlike the alarm discussion below, Internet access is made by modems under the control of your computer that is running a program that was written by AOL staff, for example. It is no problem for this program to be changed so that it will allow the dialing of Private HEXADECIMAL Phone numbers. See the programming example I provide elsewhere in this writing to see just how minor the changes are that will allow for this to become a reality.

525. The plain is for the phone company to make available the needed facilities in the Private HEXADECIMAL Phone number group, then, when AOL releases their next revision program, it will include the new part that will allow the dialing of these numbers and the users will be instructed that they must change to the new numbers, since in 30 days the old numbers will no longer work! But even this can be automated. When the new program revision is run, it transfers preferences that the client has established and moves them to the new program. Included in this data, is the current dial up number that the program uses. Since AOL knows its own dial up numbers, it can simply do a substitution, automatically, without customer intervention. A sweet deal!

526. This same reasoning holds somewhat for alarm companies. We estimate they may have 10,000 lines in use in the county. If they have a growth rate of 20 lines per month, all of which could be moved to Private HEXADECIMAL, then the sooner we impose the requirements proposed, the sooner we stop depleting this coveted Public Decimal resource, with its consumption of Public Decimal phone numbers.

527. There is a problem with the older alarm panels that can dial just a selected few, or none of the Private HEXADECIMAL Phone numbers. We will be able to stem the tide of increasing use by the imposed equipment requirements, but only a very few of the old-line number users may be able to move, this is to be expected. As soon as the new equipment is in use, all will begin using the new Private HEXADECIMAL Phone numbers.

528. Since a lot of the alarm lines are toll free, and are therefor translated numbers, the idea here is to change the underlying number from Decimal to HEXADECIMAL. Such a change will work just fine and is transparent to the all in the industry. What has to be done here and every where else, is to stop the expansion of these industries into the Public Decimal Phone number group.

529. LEGAL PRACTICE IN PRO PER- I had worked all my life (Hughes Research (2 patent disclosures) & North American Rockwell (over 100 engineering specifications for NASA and Air Force) and During this time, and also while teaching at both the Long Beach and Los Angeles Campuses of California State University, Electrical Engineering (Sponsor of Micro Mouse Project, a computer controlled robot that can solve a maze), (Sponsor IEEE Chapter) I also owned a Telephone Answering Service and Burglar Alarm Company and electronics repair and did radiotelephone services along with radio and TV engineering (I hold a valid First Class Radio Telephone License) I began teaching at University of Hawaii, Electrical Engineering Department. Soon after, the monthly payments due me stopped coming and I returned to California and began teaching again and made a proposal to Pacific Telephone about several PHONE related ideas and the use of HEXADECIMAL PHONE NUMBERS.

530. RISK ASSESSMENT AND OTHER POLITICALLY CORRECT ACTIVITIES - Even with the publication of this Treatise on HEXADECIMALs in nationally circulated media, and even recognizing that it is not

over until the fat bell rings, nothing in life is a sure thing and this really does apply to the several state agencies and the riskieous one of all: the FCC!

530. The FCC is clearly at fault in every way for several reasons:

531. It should have seen this situation long ago on the horizon.

532. It should have encouraged the use of alternative solutions.

533. It should have developed and presented solutions, itself.

534. It should have heard in presentations before its proceedings. It should be recognized that any agency that can't even count the Channels, starting at 2 instead of 1 should have been an indelible sign of things to come.

535. CONTRASTING DECIMAL AND HEXADECIMAL NUMBERS - What are some of the noteworthy differences in decimal and HEXADECIMAL phone numbers? We all dial numbers on the phone, but most of us think of all of the number as being just the number. Yet, in the phone industry, these parts are given names. For example, in the number 1-619/231-1313, we have the long distance access (1) followed by the area code (619) followed by the exchange prefix (231) followed by the line number (1313).

536. Let us look at only the line number part of the whole phone number. This is better done with a specific example:

537. DECIMAL LINE NUMBER DISCUSSION for (231-1313 or 952-9901)

538. Base is 10 using (0,1,2,3,4,5,6,7,8,9), so position weight is left to right 3, 2, 1, 0 as in:

539. (Here power is shown as \ so email will work)

540. (10\ 3) is position 4 and it's weight is 1000

541. (10\ 2) is position 3 and it's weight is 100

542. (10\ 1) is position 2 and it's weight is 10

543. (10\ 0) is position 1 and it's weight is 1.

544. So, if we have full population,

545. 9 (1000) = 9000 and

546. 9 (100) = 900 and

547. 9 (10) = 90 and

548. 9 (1) = 9 and ALL this adds to 9999.

549. Some math shows us that the total number of possible phone line numbers is 0000 to 9999, or 10,000. This is the total possible number of LINE NUMBERS using a 4 digit LINE NUMBER format.

550. Several problems. First the phone number does not start at 0, because that is a TRUE 10, or hex A. TRUE Ø is not currently used and

551. The # on your phone is a 12, or hex C and

552. the * on your phone is a 11, or hex B and

553. the 0 on your phone is a 10, or hex A.

554. And I bet you thought this was easy!

555. HEX-A-DECIMAL LINE NUMBER DISCUSSION for (2F4-BC92, or 9FF-7DEF)

556. Base is 16 using (Ø ,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F) so position weight is left to right 3, 2, 1, 0
557. as in:

558. (16\ 3) is position 4 and it's weight is 4096

559. (16\ 2) is position 3 and it's weight is 256

560. (16\ 1) is position 2 and it's weight is 16

561. (16\ 0) is position 1 and it's weight is 1.

562. So, if we have full population,

563. 15 (4096) = 61440 and

564. 15 (256) = 3840 and

565. 15 (16) = 240 and

566. 15 (1) = 15 and ALL this adds to 65535.

567. Some math shows us that the total number of possible phone line numbers is 0000 to FFFF, 65536. This is the total possible number of LINE NUMBERS using a 4 digit LINE NUMBER format.

568. Comparative analysis reveals that for a 4 digit line number, comparing decimal (modified by industry) with HEXADECIMAL we find a major availability of numbers. On the order of 65536-10000=55536, or FIFTY FIVE THOUSAND NEW, FREE, ALREADY PAID FOR PHONE NUMBERS THAT ALREADY WORK PROPERLY WITH THE EXISTING PHONE NETWORK.

569. Nothing is said about using HEXADECIMAL numbers in the exchange prefix or the area codes.

570. NOTE: Telephone persons have contributed to the information provided but must remain anonymous to protect their jobs. Some major number differences are argued, based upon the information given by these same phone company employees, in the form of we can't do that, or that will not work because of this, and so on. Presented here is the best information I have been able to gather,
571. and it does have some flaws, and decisions will be made about it, but on the whole, this is good reliable information.

572. TO BE OR NOT TO BE - That is a question with many answers. To be honest, even down right specific about it, will not win friends in high places, but to be less than that, is to be dishonest, something I have not developed an interest in doing in my life.

573. Then there is the politically correct issue of innuendo and casual forgot escape routes, which I detest. So which path to take, what will be the ramifications of each, and can I expect to be included in the impending explosion? As an Officer of the Court, attorneys are under oath to present the truth, am I to be held to a lesser standard?

574. All of these people, and especially the elected and appointed ones, have a fiduciary obligation to act on these issues and to be prepared to suffer exposure for failing to act. After 15 years and most recently, after a whole year, with face to face meetings, still no action, it is easy to see that they just don't care; they have no fear!

575. There, you have it! Like it or not, exposure will be the order of the day. We will let the chips fall where they may.

After all, I did not forget or fail, they did, so let them stew in what is of there own making.

575. On the state level, the bill AB818 Area Codes was introduced by Knox. He did not have good advice and on contact with his office, I was directed to an assistant with no knowledge of the subject. After several calls, and emails, and information, she wrote me, `nothing to worry about, nothing will happen until November.' The bill was passed in the very next week without any expert input on the subject.

576. During this time, all members of the committee were also contacted, but not one; not even one replied or provided any person with technical skills to discuss this area code issue.

577. Now, AB818 is in the California Senate. I have contacted the leadership on 3 occasions, but nobody is there, nobody is replying. What kind of government have we allowed ourselves to have? You voted for them, so suffer!

578. Then there is the CPUC. In 1984 I wrote them and again in 1988 and again in 1995 and again in 1998. By accident, I found out that a face to face meeting could be had to introduce the HEXADECIMAL concept in person. The President of LaJolla Business Association and I went to this meeting, presented the facts and nothing has come of all that effort in the year since we met. It is astonishing to me to find nobody at home, anywhere. Is it any wonder why we have outrageous rates?

579. Then there is the lack of help on the national basis. Our two Senators don't return calls, don't reply to emails and even when called, the California State supervisor does not return calls.

580. The FCC has been written at least 10 times, I have saved the only three replies. After 3 pages of BS, the final line said:

Hex is interesting. Each commissioner was written to twice, but no answer after a year.

580. License plates use digits and letters, parking meter ticket numbers use both digits and letters, and so do airline tickets, so why not the phone network? Cell phones do not allow collect or bill to calls now so what is the beef? What is so difficult about using both digits and symbols and or letters? In a few years, with the corrections proposed to the phone pad to show the `0' as `0/A' and `*' as `*/B' and `#' as `#/C' the problem will be a short lived memory.

581. Here we have the classic situation of 13 people and a 12-person lifeboat. Something's got give in this critical issue. Hex is good!

582. Readers and especially our ALJ are reminded that frequently it is the underlying issues that power non-compliance, obstance, and greed. As the various underlying issues are mentioned, please keep in mind, many of the specifics mentioned go to the portrayal of character of the phone companies, and they are used to show the outrageous profits we are all allowed to be forced to pay.

583. This proceeding is a legal arena of the administrative law of California, it has the power of the Superior Court and with this in mind, I argue in advance, the people have the right to be informed as to all the reasons that legitimately form a part, even a remote part of the so called Area Code issue.

584. This author holds this administrative law proceeding in the highest regard, and to the extent any issue contained in this Proposal is concluded to be `out in left field' please accept my advance apologies.

585. STAMPEDE TO MOVE OR RELUCTANCE OR JUST WHEN CONVENIENT - Advances in fire protection through use of better materials that

will not allow the fire to spread as easily have been made and announced several times in the past. This advancement has not caused mass hysteria in the couch industry or public community. Still, today we see some of these materials being used and sold to the public in a variety of furniture.

585. So why would we expect to see the various industries we target as big users of Decimal numbers that could be encouraged to move to Public HEXADECIMAL or Private HEXADECIMAL numbers make a mass movement to free up the numbers we want for use by the public? We can make laws that require the NEW equipment be HEX READY in the next year. We can impose a surcharge on numbers these industries use. We do NOT say they must discard all existing equipment, but several remedies do exist including some features will not work unless movement to these new numbers is done.

586. Don't even think of trying to pry existing number customer to use a different provider with some other number- it will never happen even if the rate is much lower. No chance that I will give up my number in order to move to a different carrier - never so the whole idea of competition is a joke!

587. As a professional courtesy, I reminded Mr. Neeper to use this opportunity to reply so the public will know just what you did after being informed of the possible solution. When the opportunity came about, and after thinking a little, he could come up with only a casual comment that a letter was written to inform me that it was a FCC matter.

588. Apparently no other steps were taken in all this time, years on end and even after a face to face meeting, no reasonable effort was undertaken to resolve these issues. For example, if there are any degreed computer and communications engineers on staff or available as professional consultants, a technical report could have been ordered to independently examine the

issues I raised. This was not done.

588. The Commission could have gone on record with a discussion and a resolution in favor of taking action. This was not done.

589. This is like going to a Doctor for the treatment of an illness and having to suggest a remedy on your own - where is the initiative of the doctor. He has a responsibility to propose and examine and decide on a remedy.

590. Is the FCC/CPUC technically challenged? Where is the FCC/CPUC EEs with extensive experience? This agency makes legal decisions without professional advice, this is ludicrous!!!

591. COMMENTARY AND ANALYSIS - Why are we here? Shortages of PUBLIC DECIMAL NUMBERS, not shortages of PUBLIC HEXADECIMAL NUMBERS or PRIVATE HEXADECIMAL NUMBERS. Can we develop a way to increase PUBLIC DECIMAL NUMBERS and remain compliant with NANP; a resounding yes is in order!

592. I must again remind readers that there are two situations, which deserve discussion. Of those numbers that exist in small businesses, the number on which the toll free 800 is dumped upon is an advertised and routinely used business number. I do not expect that this usage would result in the number being changed to a PRIVATE HEXADECIMAL number for obvious reasons. However, if the user does require separate lines to handle the toll free traffic, then these lines should indeed be PRIVATE HEXADECIMAL not PUBLIC DECIMAL. The dumped on lines are not normally known to the user and are not listed.

593. In cases like alarm monitoring, the local number is not for public use, but rather it is for computer access and several toll free lines may be dumped upon these lines without a problem. They should all be PRIVATE HEXADECIMAL never PUBLIC DECIMAL as they are now.

594. Cost of surcharge versus bonus on vacating, 1 year of free service. Let the Phone Company pay. I told them nearly 15 years ago; this is their obligation

595. This situation is the direct result of greedy people and uninterested people asleep at their posts. Had my requests been acted upon, even investigated at any time during the last 15 years, absolutely no problem would exist today.

596. Both the CPUC (I did not submit to any other state) and the FCC are at fault, as well as all phone companies. There is plenty of blame to go around.

597. The Devil hides in the details, so lets turn up the heat and smoke out some details from these issues.

598. It is entirely proper to include every aspect of past, present, and future issues that did or will affect what we do here. Past letters, present letters, all determine the future; what will it hold?

599. WHAT STANDARD IS APPLICABLE - It is best to use that which we know best. I have owned and operated an alarm company since 1967. I know this industry very well and over the years I have consulted for three major security-manufacturing companies.

600. As a central station owner and installing company owner, both employees and owners alike, have a very different view of failures than do those who claim to be politically correct.

601. We have to locate the source of every failure; every one is a threat to the existence of every company. We must investigate, determine the true facts, assign blame and invoke immediate corrective action. After all robberies, fires, and heart attacks

are all life threatening to our clientele.

601. Having said that, If you think I am going to ignore the failures of a whole bunch who are obligated to deal with these area code issues, you would be very wrong!

602. Starting about 15 years ago, where were the FCC and CPUC? Had they acted as I proposed or even had they examined the issues I raised, we would all be at the beach enjoying the summer, and none of us would be put through this area code mess. But they did not even after I sent them 10 letters, I sent GTE and PT 4 letters and called them repeatedly, but no one responded. More recently, I sent emails to all major phone companies and to all FCC commissioners, none, not one responded!

603. I appealed to my federal elected officials, Boxer and Feinseein, they did nothing, can't even get a reply from them either. They say they are not set up to reply to email questions or concerns, so I called the state director, personally and even he did not return my call.

604. And finally on the state level we have the very same thing. I sent and called and was actually told the Senator Peace office director would arrest me if I called any more. They never have returned a single call. Or replied to a single fax or letter.

605. Clearly there is more than enough blame to go around and these people should be held fully accountable for their lack of concern even after being heralded to action, they still did nothing! Don't allow them to escape the jaws of public opinion. Demand public explanations and public display of scrutiny as this clearly is not deserving of our votes and I personally am ashamed of the lack of action on their part.

606. I can report that out of it all, their is one star shinning brightly. It is the actions of U. S Congressional Representative

Brian Bilbray, whose office has been very cooperative and deserves more than honorable mention. I have had special success with the staff of this office.

606. COMMENTARY AND ANALYSIS - Why are we here? Shortages of PUBLIC DECIMAL phone numbers, NOT shortages of PUBLIC HEXADECIMAL phone numbers or PRIVATE HEXADECIMAL phone numbers. Can we devise a way to increase the PUBLIC DECIMAL phone numbers, YES! And still comply with NANP, a resounding YES, YES!

607. DOES THE PUBLIC HAVE UNLIMITED RIGHT TO PARTICIPATE - All things considered, the answer is yes. In truth, participation is severely limited, even more when they tell you otherwise.

608. Consider CPUC hearings. After all the trouble getting there and having a court reporter make an official record, nothing happens - it is a black hole. A lie on its face! After all, out of 2 million people only 5 persons showed up - nobody got the message! A failure from all points of view.

609. DEALING WITH CAUSE AND EFFECT - Failure is the cause and the effect is assembly bill AB818. I will not kowtow to the politically correct because to be politically correct is to be intellectually dishonest; an oxymoron if you will!

610. Water runs down hill - If you want to drain the PUBLIC DECIMAL phone number contamination represented by alarms, point of sale, pagers etc. then make low prices and the water will flow down hill to them. To make it flow faster, impose a surcharge on all PUBLIC DECIMAL phone numbers that are not used for voice as the primary purpose of the line.

611. Decade counters count in base 16, HEXADECIMAL, so it is necessary to create premature signals to cause the counter to limit itself to base 10, decimal. So, we already have the system in the HEXADECIMAL mode, but deliberately defeat its use with

these extra ※wired in straps※ the removal or cutting of which, will allow the system to be all it can be, namely HEXADECIMAL. Actually removing or cutting the wires on the line card circuit boards will make them into HEXADECIMAL cards since this is the basis upon which they work already!

611. Even more graphically, most wallboard and other construction materials come in 4' x 8' sheets. For a moment imagine double the size, 8' x 16' and then notice we have 10' ceilings. All this material has to be cut to 10' from the 16' length that it comes in from the supplier. So we waste the 6-foot part of each piece of material. This is exactly what we do when we only use the 10 digits out of the 16 digits available for phone numbers.

612. I did not take the pen in hand to address some narrow technical issue, but rather to push the envelope of this area code issue to the farthest depth and breadth possible. This includes historic aspects, current dilemma, and future advantages.

613. Several more hours are necessary to make this writing meet my standard of professional expectation, but realizing that there is only a chance of getting paid for my time and that it is nearly non existent, or slim to none at best. So, I have gotten this writing into the 90s as they say, and that will just have to do for now.

614. How can we have faith in or expect that the FCC can resolve this issue when they can't even manage the pay phones, or cellular phones, or channel 1 on the TV, which leaves us to believe that this organization is, for the most part, clue less as to needs and solutions. It may be true that they have handled hundreds of other issues quite well, but unfortunately what we have here is the same issue facing the train engineer. For the last several years, he has piloted the train, safely and without incident, but today he has an accident and all hell brakes loose.

This is as it should be; this is the standard we all should hold our public servants to in both the long and short run.

614. Where were your profilers and predictors of future needs and trends 20 and 10 years, even 5 years ago? This situation should have been fully expected and action taken well in advance of the mess we now find ourselves in, and over our heads to boot!

615. FORMAL APOLOGIES DUE THE AMERICAN PEOPLE AND ME - Outrageous lack of pro-action by the very agencies we all trusted to worry about these things grossly failed to do their jobs. Save those who will resign, they all owe us formal apologies for outrageously poor conduct, very unprofessional, indeed!

616. Had this been done in a military setting, courts martial action would have been the order of the day.

617. EVERY INTERVENOR SHOULD BE OFFENDED - It is outrageous to require persons of the general public and persons with quality technical skills both grouped with official parties to an action properly before the FCC / CPUC.

618. This is ludicrous, dumb, and wholly without merit and should be changed immediately. The procedure should be that the PUBLIC ADVOCATE is the person with party status not the person with an idea or concept and it should be through the Public Advocate's office that ALL publishing is done and fully paid for by the FCC / CPUC. Placing such a burden on me is unreasonable and just plain wrong.

619. EQUIPMENT LEGISLATION REQUIREMENTS - California Legislature must enact legislation that requires all electronic dialers to be HEX READY by 1/1/2000, or ASAP. No electronic dialer shall be sold in the state of California that is NOT hex ready after this date.

620. All Hex Ready electronic dialers shall be able to store no less than 64 bytes of dialable digits including all DTMF / Touch-Tone / HEXADECIMAL Digits from memory and also store needed dialing control codes.

621. Two examples: A number of this type: (Note the - / are for easy reading)

622. 95,, *70 ,, 10 10 288,,1 80F/23E-217D,,:7312750:223-0912 %
623. this counts out to 48 possible digits, or for this NEW TYPE code:
624. 9521,,1-101/101-*700,,1-101/101-0288,,1-80F/23E-
625. 217D,,:7312750:223-0912 %
626. Which counts to 64 bytes, where
627. 04 digits - 9522 are for an outside line,
628. 01 digit - comma is 2 second time delay,
629. 11 digits - 1-101/101-*700 turns off call waiting, (10 digits long),
630. 11 digits - 1-101/101-0288 carrier switch, (10 digits long),
631. 11 digits - the toll free number 1-80F/23E-217C,
632. 01 digit - the colon, wait for command to complete restricted access,
633. 07 digits - restricted access to the number, password,
634. 07 digits - calling equipment's identification code,
635. 01 digit - ends the input with %.

636. At this point, the connection has been established, the caller identified and the transmission of whatever information may safely begin.

637. WITH REGARD TO THE NEW TYPE NUMBERS - Some passing notes about *70 and *71, *72, and *693 and so on. Now, these will not waste the entire prefix, *70-xxxx amounting to 65536 numbers wasted as in *70-FFFF because of the requirement to dial 1-101/101-*700 first. By dialing the 101 prefix followed by the control you want to initiate, *70x in this case, the x is ignored, but in the case of *73 it is *734 to command forwarding on the 4th ring, for example. This groups all control codes into one exchange of one area code, so everyone uses only one prefix, the 101-xxxx prefix for 1010288= 101-0288 and 101*7000= 101-*70?

638. HOW TO TELL WHEN TO DIAL THE AREA CODES - Today we have overlays. How does the person, who just picked up a business card, call the number on the card listed for voice, pager, or fax? Does he dial the area code or not? Since he is smart enough to know that he is ▒in the valley,▒ he knows the call should be local, so no area code should be dialed, WRONG! That is an overlay number, the area code must always be dialed!

639. Had the number been for a pager or fax, the number would have a * or # imbedded somewhere in the number. That is INDICATION that the full number must ALWAYS be dialed. The number, 1-213/#56-1234, users know at a glance that this number must always be dialed in full, with the area code. A hidden advantage to PUBLIC HEXADECIMAL Phone numbers!

640. TABLE OF THREE DIGIT CODES, as used in area codes and prefix codes, provides (1000)base10 blocks or (4096)base16 pages (where four 256 pages equal 1k) as follows:

641. Each of the Tables presented in this section is shown to aid you in visualizing the vast wasteland that exists when we limit our numbering system to just base ten. Their are some public limitations involved in expanding to HEXADECIMAL Numbers, but they are easily overcome and put completely to rest with the realization that no change is proposed or being made by the Neill Plain to any Public Decimal phone number. What we are doing is using ▒the rest of the numbers,▒ a very reasonable action and one that is long over due.

642. Since we are discussing a three-digit code, this discussion is equally valid for Area Codes and for Prefixes, because both are three digits. Just apply a little bit of common sense to these tables and you will be able to learn from the experience.

643. It is imperative that you remember the introduction of

PUBLIC DECIMAL numbers, this term applies to all the phone numbers in use today. Then there are the PUBLIC HEXADECIMAL numbers which involve the use of the * and # in the number. These buttons are already on your phone and should not cause any confusion, and if the requests made in this document are implemented, then the button's designation will be changed to reflect their true function as B=* and C=#. There is no doubt that this will take some time, but we have to start somewhere. And finally we have PRIVATE HEXADECIMAL numbers to be used by Industry. These numbers are NOT intended to be dialed by the public, you will not be getting a new phone or ever have a need to dial any of these numbers. Then why are they so very important? It is a matter of move the industries away from the Public Decimal numbers so the General Public can use them. This freeing up of numbers is key to this plain.

643. Consistent with the above reminder is the need to again point out that the public comes in three classifications that must be clearly understood. The term GENERAL PUBLIC refers to the bulk of the population and no change is contemplated by this proposal in the ways these people use their phones or the numbers they dial. ENLIGHTENED PUBLIC is a term used to represent those people with more skills than the average person. We recognize that only a small number of business people use pagers and faxes directly and routinely every day. These people have no problem with different phone numbers, because they are enlightened in the world of new gadgets and will have no problem with 10-digit dialing. Realize that although many people do have pagers, they are secondary pagers, a part of an overall voice mail system. When the caller leaves a voice mail message or the recorded message requests that a number be dialed in, then after the caller hangs up, the computer dials these pager numbers, the bulk of pager numbers are not dialed by people! TECHNICAL PUBLIC is a term for the technicians that program and install various systems

every day and to them, the concept of HEXADECIMALs is elementary to say the most about it. Their electronic dialers can and will dial 10+ numbers with ease and with 100% accuracy as well.

643. On each page, I have attempted to relate the many possible uses, and note some of the more famous numbers.

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644. Table of THREE DIGIT CODES, as used in area codes and prefix codes, provides (1000)base10 blocks or (4096)base16 pages as follows:

645. This is the "Ø " page for 3 digit codes used for Area Codes and Prefixes.

ØØØ	ØØ1	ØØ2	ØØ3	ØØ4	ØØ5	ØØ6	ØØ7	ØØ8	ØØ9	ØØA=0	ØØB=*	ØØC=#	ØØD
ØØE	ØØF												
Ø1Ø	Ø11	Ø12	Ø13	Ø14	Ø15	Ø16	Ø17	Ø18	Ø19	Ø1A=0	Ø1B=*	Ø1C=#	Ø1D
Ø1E	Ø1F												
Ø2Ø	Ø21	Ø22	Ø23	Ø24	Ø25	Ø26	Ø27	Ø28	Ø29	Ø2A=0	Ø2B=*	Ø2C=#	Ø2D
Ø2E	Ø2F												
Ø3Ø	Ø31	Ø32	Ø33	Ø34	Ø35	Ø36	Ø37	Ø38	Ø39	Ø3A=0	Ø3B=*	Ø3C=#	Ø3D
Ø3E	Ø3F												
Ø4Ø	Ø41	Ø42	Ø43	Ø44	Ø45	Ø46	Ø47	Ø48	Ø49	Ø4A=0	Ø4B=*	Ø4C=#	Ø4D
Ø4E	Ø4F												
Ø5Ø	Ø51	Ø52	Ø53	Ø54	Ø55	Ø56	Ø57	Ø58	Ø59	Ø5A=0	Ø5B=*	Ø5C=#	Ø5D
Ø5E	Ø5F												
Ø6Ø	Ø61	Ø62	Ø63	Ø64	Ø65	Ø66	Ø67	Ø68	Ø69	Ø6A=0	Ø6B=*	Ø6C=#	Ø6D
Ø6E	Ø6F												
Ø7Ø	Ø71	Ø72	Ø73	Ø74	Ø75	Ø76	Ø77	Ø78	Ø79	Ø7A=0	Ø7B=*	Ø7C=#	Ø7D
Ø7E	Ø7F												
Ø8Ø	Ø81	Ø82	Ø83	Ø84	Ø85	Ø86	Ø87	Ø88	Ø89	Ø8A=0	Ø8B=*	Ø8C=#	Ø8D
Ø8E	Ø8F												
Ø9Ø	Ø91	Ø92	Ø93	Ø94	Ø95	Ø96	Ø97	Ø98	Ø99	Ø9A=0	Ø9B=*	Ø9C=#	Ø9D

Ø9E	Ø9F												
ØAØ	ØA1	ØA2	ØA3	ØA4	ØA5	ØA6	ØA7	ØA8	ØA9	ØAA=0	ØAB=*	ØAC=#	ØAD
ØAE	ØAF												
ØBØ	ØB1	ØB2	ØB3	ØB4	ØB5	ØB6	ØB7	ØB8	ØB9	ØBA=0	ØBB=*	ØBC=#	ØBD
ØBE	ØBF												
ØCØ	ØC1	ØC2	ØC3	ØC4	ØC5	ØC6	ØC7	ØC8	ØC9	ØCA=0	ØCB=*	ØCC=#	ØCD
ØCE	ØCF												
ØDØ	ØD1	ØD2	ØD3	ØD4	ØD5	ØD6	ØD7	ØD8	ØD9	ØDA=0	ØDB=*	ØDC=#	ØDD
ØDE	ØDF												
ØEØ	ØE1	ØE2	ØE3	ØE4	ØE5	ØE6	ØE7	ØE8	ØE9	ØEA=0	ØEB=*	ØEC=#	ØED
ØEE	ØEF												
ØFØ	ØF1	ØF2	ØF3	ØF4	ØF5	ØF6	ØF7	ØF8	ØF9	ØFA=0	ØFB=*	ØFC=#	ØFD
ØFE	ØFF												

646. This is a PRIVATE HEXADECIMAL code page particularly well suited for the TECHNICAL PUBLIC as in alarms, point of sale applications, etceteras, but do avoid applications of public programming, as in computer dial up modems, because public WILL CONFUSE 0 and Ø leading to the wrong numbers. Ø = true zero, DO NOT CONFUSE WITH A = 0 ON DIAL

647. Blocks are as in 100 block, (3 digits) base10, equals 1000 and
648. Pages are as in 256 page, (3-digit) base16, and equals 4096.

649. For a total HEXADECIMAL system, AREA CODE, PREFIX, AND LINE NUMBER. We have 4096 x 65536 = 268,435,456 lines for each area code as compared to 10,000,000 in a decimal only system. So each number you see on the page represents 268 million lines. The whole system is 4096 x 268,435,456 = 1.0995116E12 or 1,099,511,600,000 or about 1100 billion numbers, and California alone has 10 billion. We can even supply Mars with numbers!

650. Notes: Examples are good for both area code and prefix applications

651. PUBLIC DECIMAL ------ NONE where A=0, B=*, AND C=#

652. PUBLIC HEXADECIMAL -- NONE

653. PRIVATE HEXADECIMAL - 1-ØE3/Ø88-ØØ21

654. ØF9-123Ø

655. Famous residents on this page include:

656. Table of THREE DIGIT CODES, as used in area codes and prefix codes, provides (1000)base10 blocks or (4096)base16 pages as

follows:(continued)

656. This is the "1" page for 3 digit codes used for Area Codes and Prefixes.

1ØØ	1Ø1	1Ø2	1Ø3	1Ø4	1Ø5	1Ø6	1Ø7	1Ø8	1Ø9	1ØA=0	1ØB=*	1ØC=#	1ØD
1ØE	1ØF												
11Ø	111	112	113	114	115	116	117	118	119	11A=0	11B=*	11C=#	11D
11E	11F												
12Ø	121	122	123	124	125	126	127	128	129	12A=0	12B=*	12C=#	12D
12E	12F												
13Ø	131	132	133	134	135	136	137	138	139	13A=0	13B=*	13C=#	13D
13E	13F												
14Ø	141	142	143	144	145	146	147	148	149	14A=0	14B=*	14C=#	14D
14E	14F												
15Ø	151	152	153	154	155	156	157	158	159	15A=0	15B=*	15C=#	15D
15E	15F												
16Ø	161	162	163	164	165	166	167	168	169	16A=0	16B=*	16C=#	16D
16E	16F												
17Ø	171	172	173	174	175	176	177	178	179	17A=0	17B=*	17C=#	17D
17E	17F												
18Ø	181	182	183	184	185	186	187	188	189	18A=0	18B=*	18C=#	18D
18E	18F												
19Ø	191	192	193	194	195	196	197	198	199	19A=0	19B=*	19C=#	19D
19E	19F												
1AØ	1A1	1A2	1A3	1A4	1A5	1A6	1A7	1A8	1A9	1AA=0	1AB=*	1AC=#	1AD
1AE	1AF												
1BØ	1B1	1B2	1B3	1B4	1B5	1B6	1B7	1B8	1B9	1BA=0	1BB=*	1BC=#	1BD
1BE	1BF												
1CØ	1C1	1C2	1C3	1C4	1C5	1C6	1C7	1C8	1C9	1CA=0	1CB=*	1CC=#	1CD
1CE	1CF												
1DØ	1D1	1D2	1D3	1D4	1D5	1D6	1D7	1D8	1D9	1DA=0	1DB=*	1DC=#	1DD
1DE	1DF												
1EØ	1E1	1E2	1E3	1E4	1E5	1E6	1E7	1E8	1E9	1EA=0	1EB=*	1EC=#	1ED
1EE	1EF												
1FØ	1F1	1F2	1F3	1F4	1F5	1F6	1F7	1F8	1F9	1FA=0	1FB=*	1FC=#	1FD
1FE	1FF												

657. This is a PUBLIC DECIMAL code page particularly well suited for special GENERAL PUBLIC phone uses and that has some PUBLIC HEXADECIMAL codes for pagers, faxes, and voice mail applications, and also has some PRIVATE HEXADECIMAL codes for alarms, point of sale applications, computer modems, etc.

658. The term SPECIAL is used to denote acknowledgment of the dial 1 problem, that can be overcome by allowing the dialing of the area code for calls from within the area code. An option that activates this whole page.

659. Notes: Examples are good for both area code and prefix applications

660. PUBLIC DECIMAL ------ 1-199 /100-1234 where A=0, B=*, AND C=#

661. PUBLIC HEXADECIMAL -- 1-17C=#/149-B=*123

662. PRIVATE HEXADECIMAL - 1-1FØ /1F7-EFDE

663. Famous residents on this page include:

664. Table of THREE DIGIT CODES, as used in area codes and prefix codes, provides (1000)base10 blocks or (4096)base16 pages as follows:(continued)

665. This is the "2" page for 3 digit codes used for Area Codes and Prefixes.

2ØØ	2Ø1	2Ø2	2Ø3	2Ø4	2Ø5	2Ø6	2Ø7	2Ø8	2Ø9	2ØA=0	2ØB=*	2ØC=#	2ØD
2ØE	2ØF												
21Ø	211	212	213	214	215	216	217	218	219	21A=0	21B=*	21C=#	21D
21E	21F												
22Ø	221	222	223	224	225	226	227	228	229	22A=0	22B=*	22C=#	22D
22E	22F												
23Ø	231	232	233	234	235	236	237	238	239	23A=0	23B=*	23C=#	23D
23E	23F												
24Ø	241	242	243	244	245	246	247	248	249	24A=0	24B=*	24C=#	24D
24E	24F												
25Ø	251	252	253	254	255	256	257	258	259	25A=0	25B=*	25C=#	25D
25E	25F												
26Ø	261	262	263	264	265	266	267	268	269	26A=0	26B=*	26C=#	26D
26E	26F												
27Ø	271	272	273	274	275	276	277	278	279	27A=0	27B=*	27C=#	27D
27E	27F												
28Ø	281	282	283	284	285	286	287	288	289	28A=0	28B=*	28C=#	28D
28E	28F												
29Ø	291	292	293	294	295	296	297	298	299	29A=0	29B=*	29C=#	29D
29E	29F												
2AØ	2A1	2A2	2A3	2A4	2A5	2A6	2A7	2A8	2A9	2AA=0	2AB=*	2AC=#	2AD
2AE	2AF												
2BØ	2B1	2B2	2B3	2B4	2B5	2B6	2B7	2B8	2B9	2BA=0	2BB=*	2BC=#	2BD
2BE	2BF												
2CØ	2C1	2C2	2C3	2C4	2C5	2C6	2C7	2C8	2C9	2CA=0	2CB=*	2CC=#	2CD
2CE	2CF												
2DØ	2D1	2D2	2D3	2D4	2D5	2D6	2D7	2D8	2D9	2DA=0	2DB=*	2DC=#	2DD
2DE	2DF												
2EØ	2E1	2E2	2E3	2E4	2E5	2E6	2E7	2E8	2E9	2EA=0	2EB=*	2EC=#	2ED

2EE 2EF
2FØ 2F1 2F2 2F3 2F4 2F5 2F6 2F7 2F8 2F9 2FA=0 2FB=* 2FC=# 2FD
2FE 2FF

666. This is a PUBLIC DECIMAL code page particularly well suited for GENERAL PUBLIC phone uses and that has some PUBLIC HEXADECIMAL codes for pagers, faxes, and voice mail applications, and also has some PRIVATE HEXADECIMAL codes for alarms, point of sale applications, computer modems, etc.

667. Notes: Examples are good for both area code and prefix applications

668. PUBLIC DECIMAL ------ 1-221 /265 -2991

669. PUBLIC HEXADECIMAL -- 1-29B=*/21A=0-2C=#54 where 0=A, B=*, C=#

670. PRIVATE HEXADECIMAL - 1-2F4 /26D -2E19

671. Famous residents on this page include:

672. Interesting number combinations on this page include:

673. 1-234/*777-PAGE
674. This is a pager because of the * and
675. is three of a kind and
676. a vanity number choice word ▒PAGE.▒

677. Table of THREE DIGIT CODES, as used in area codes and prefix codes, provides (1000)base10 blocks or (4096)base16 pages as follows:(continued)

678. This is the "3" page for 3 digit codes used for Area Codes and Prefixes.
3ØØ 3Ø1 3Ø2 3Ø3 3Ø4 3Ø5 3Ø6 3Ø7 3Ø8 3Ø9 3ØA=0 3ØB=* 3ØC=# 3ØD
3ØE 3ØF
31Ø 311 312 313 314 315 316 317 318 319 31A=0 31B=* 31C=# 31D
31E 31F
32Ø 321 322 323 324 325 326 327 328 329 32A=0 32B=* 32C=# 32D
32E 32F
33Ø 331 332 333 334 335 336 337 338 339 33A=0 33B=* 33C=# 33D
33E 33F
34Ø 341 342 343 344 345 346 347 348 349 34A=0 34B=* 34C=# 34D
34E 34F
35Ø 351 352 353 354 355 356 357 358 359 35A=0 35B=* 35C=# 35D